

What is claimed is:

1. A bubble generating assembly comprising:

a housing having a front opening, with a bubble generating ring and a nozzle positioned adjacent the front opening;

5 a first container coupled to the housing and retaining bubble solution, the first container having an interior;

a second container coupled to the housing and retaining a liquid, the second container having an interior;

a first trigger;

10 a second trigger positioned next to the first trigger so that a user can simultaneously actuate the first and second triggers with the same hand;

a first tubing that couples the interior of the first container with the ring;

a second tubing that couples the interior of the second container with the nozzle;

15 a link assembly that couples the first trigger and the ring in a manner in which actuation of the first trigger causes bubbles to be formed by the ring; and

a liquid generator that couples the second trigger and the nozzle in a manner in which actuation of the second trigger causes liquid from the second container to be ejected from the nozzle.

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2. The assembly of claim 1, further including:

a motor operatively coupled to the first trigger;

an air generator coupled to the motor and directing air towards the ring; and

a gear system coupled to the motor and applying pressure to the first tubing to

25 cause bubble solution to be delivered from the first container to the ring.

3. The assembly of claim 2, wherein actuation of the first trigger simultaneously causes (i) the air generator to direct air towards the ring, (ii) the gear system to deliver bubble solution from the first container to the ring, and (iii) a film of
30 bubble solution to be formed across the ring.

4. The assembly of claim 1, further including means for drawing bubble solution from the container, and to deliver the bubble solution to the ring.

5. The assembly of claim 4, wherein the drawing means includes the first trigger, at least one rotating pressure roller and a guide wall, the pressure roller having a bulbous section, with the first tubing compressed by the bulbous section of the pressure roller and the guide wall when the first trigger is actuated.

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6. The assembly of claim 1, wherein the first and second containers are removably coupled to the housing.

7. The assembly of claim 1, wherein the ring is positioned inside the housing.

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8. The assembly of claim 1, wherein the air generator includes a fan, and a wind tunnel that extends from the fan to adjacent the front opening.

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9. The assembly of claim 1, further including a collection funnel positioned below the ring, with the first container being removably coupled to the collection funnel so that droplets received on the collection funnel can flow into the first container.

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10. The assembly of claim 1, wherein the ring has an interior chamber and an opening communicating with the interior chamber and through which the first tubing extends, and a plurality of outlets on the front surface through which bubble solution can flow out.

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11. The assembly of claim 2, wherein the first trigger has an electrical contact that removably couples the motor to actuate the motor, and a resilient member that normally biases the electrical contact away from the motor.

12. The assembly of claim 1, wherein the link assembly includes:

a link element connected to the first trigger;

a guide bar positioned on the link element, the guide bar having a guide surface;

5 a pivot bar pivotably coupled to the housing, the pivot bar having a front end that is attached to the ring, and a guide leg that slidably engages the guide surface;

a resilient member coupled to the pivot bar and normally biasing the pivot bar to pivot in a first direction; and

10 wherein actuation of the trigger mechanism causes the guide leg to slide along the guide surface to overcome the bias of the resilient member, so that the pivot bar pivots in a second direction.

13. The assembly of claim 12, further including:

15 a wiping bar secured to a permanent location extending across a portion of the front opening, and wherein the ring moves across the wiping bar when the pivot bar pivots in the first and second directions.

14. The assembly of claim 13, wherein the ring experiences a curved movement as the ring moves across the wiping bar.

20 15. The assembly of claim 1, further including an air control system that has a cover element which is adjusted to cover selected portions of the air generator to vary the amount of air provided to the air generator.

25 16. The assembly of claim 13, wherein the ring experiences a semi-circular movement as the ring moves across the wiping bar.

17. The assembly of claim 12, wherein the guide surface is angled.

18. A bubble generating assembly comprising:

a housing having a front opening, with a bubble generating ring and a nozzle positioned adjacent the front opening;

5 a first container coupled to the housing and retaining bubble solution, the first container having an interior;

a second container coupled to the housing and positioned next to the first container, the second container having an interior that retains a liquid;

a first trigger;

10 a second trigger;

a first tubing that couples the interior of the first container with the ring;

a second tubing that couples the interior of the second container with the nozzle;

15 a link assembly that couples the first trigger and the ring in a manner in which actuation of the first trigger causes bubbles to be formed by the ring; and

a liquid generator that couples the second trigger and the nozzle in a manner in which actuation of the second trigger causes liquid from the second container to be ejected from the nozzle.

20 19. The assembly of claim 18, wherein the second trigger is positioned next to the first trigger so that a user can simultaneously actuate the first and second triggers with the same hand.

25 20. The assembly of claim 18, wherein the first and second containers are removably coupled to the housing.